

Calaveras Creek Dam and Calaveras Lake

OWNER

City Public Service Board of San Antonio.

ENGINEER (Design)

Black and Veatch.

LOCATION

On Calaveras Creek in Bexar County, 15 miles southeast of San Antonio.

DRAINAGE AREA

65 square miles. Runoff is supplemented by pumping from the San Antonio River.

DAM

Type	Earthfill
Length	6,000 ft
Height	70 ft
Top width	24 ft

SPILLWAY

Type	Concrete ogee section
Control	5 tainter gates, each 44 by 27 ft
Crest length (net)	220 ft
Crest elevation	460.0 ft above msl

OUTLET WORKS

Water for power plant use is taken from and returned to the lake to create circulation and cooling. A 42-inch pipe for low flow releases is at elevation 453.25.

POWER FEATURES

2 generating units with a total capacity of 812,887 kw. Ultimate is 6 units with a total capacity of 3,500 000 kw. These two units are presently being engineered, with unit No. 1 to go into service January 1972, and unit No. 2 January 1974

STATE AUTHORIZATION

Permit No. 2325 (Application No. 2509) February 7, 1968, authorizes construction of a dam to impound 63,200 acre-feet of water and annual use of 37,000 acre-feet. Water pumped from river is sewage effluent discharged from the city of San Antonio upstream plants.

RESERVOIR DATA (Based on 1970 revised data by consulting engineers)

FEATURE	ELEVATION (FEET ABOVE MSL)	CAPACITY (ACRE-FEET)	AREA (ACRES)
Top of dam	498.0	—	—
Normal pool	485.0	62,800	3,450
Spillway crest	460.0	9,590	970
Streambed	428.0	0	0
Sediment reserve	—	1,000	—
Usable capacity	—	61,800	—

GENERAL

Construction started	September 1, 1967
Impoundment of water began	January 1969
Dam completed	August 1969
First generating unit in service (proposed)	January 1972
General contractor	H. B. Zachry
Estimated cost of dam	\$19,650,000

